

FIG. 1

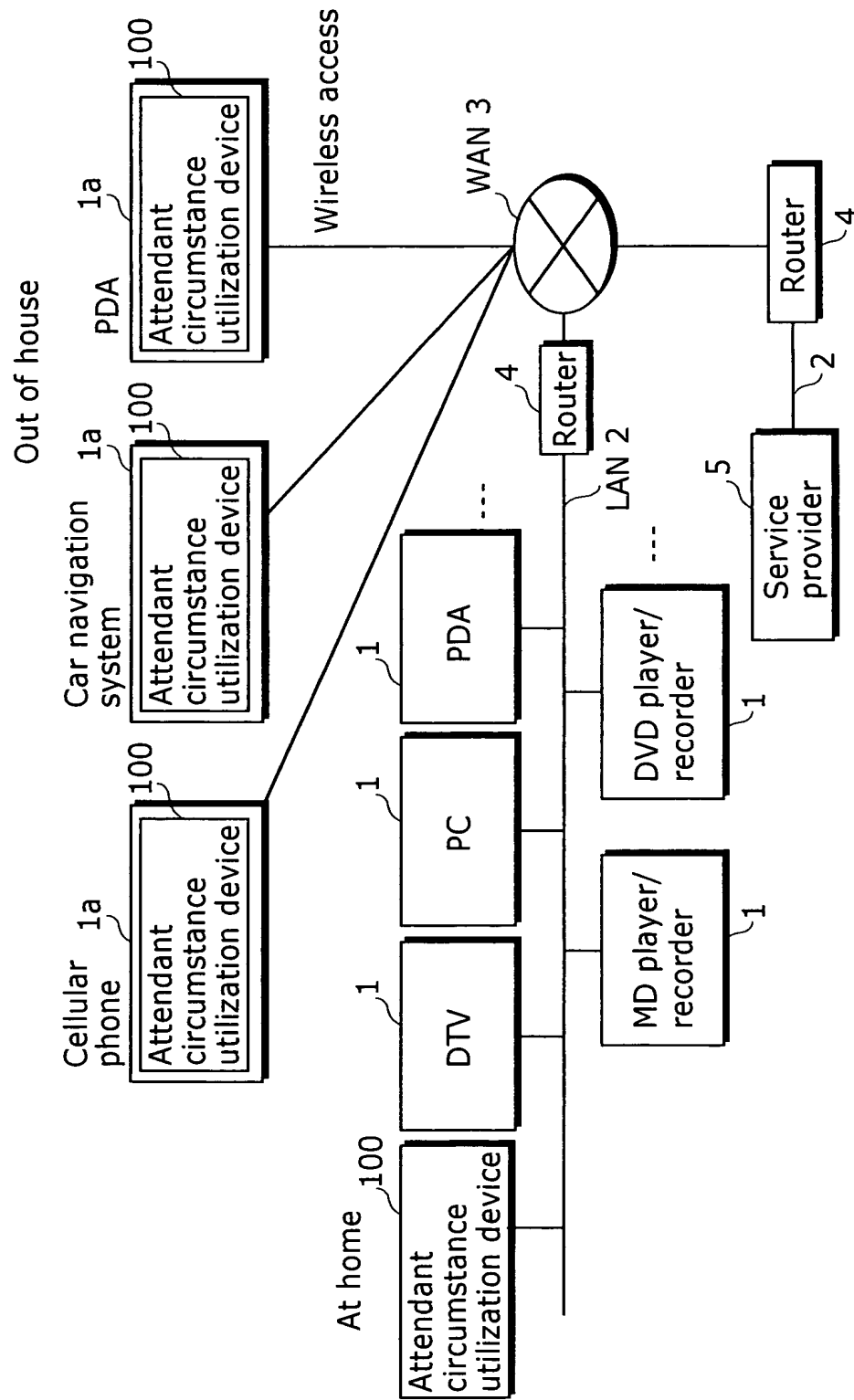


FIG. 2

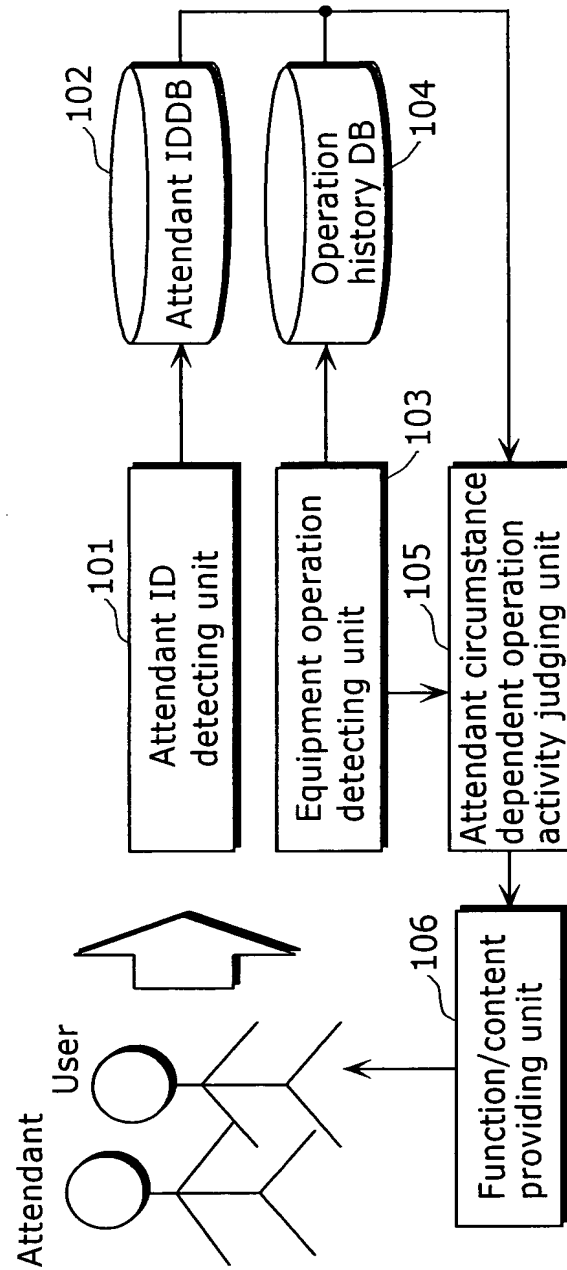


FIG. 3

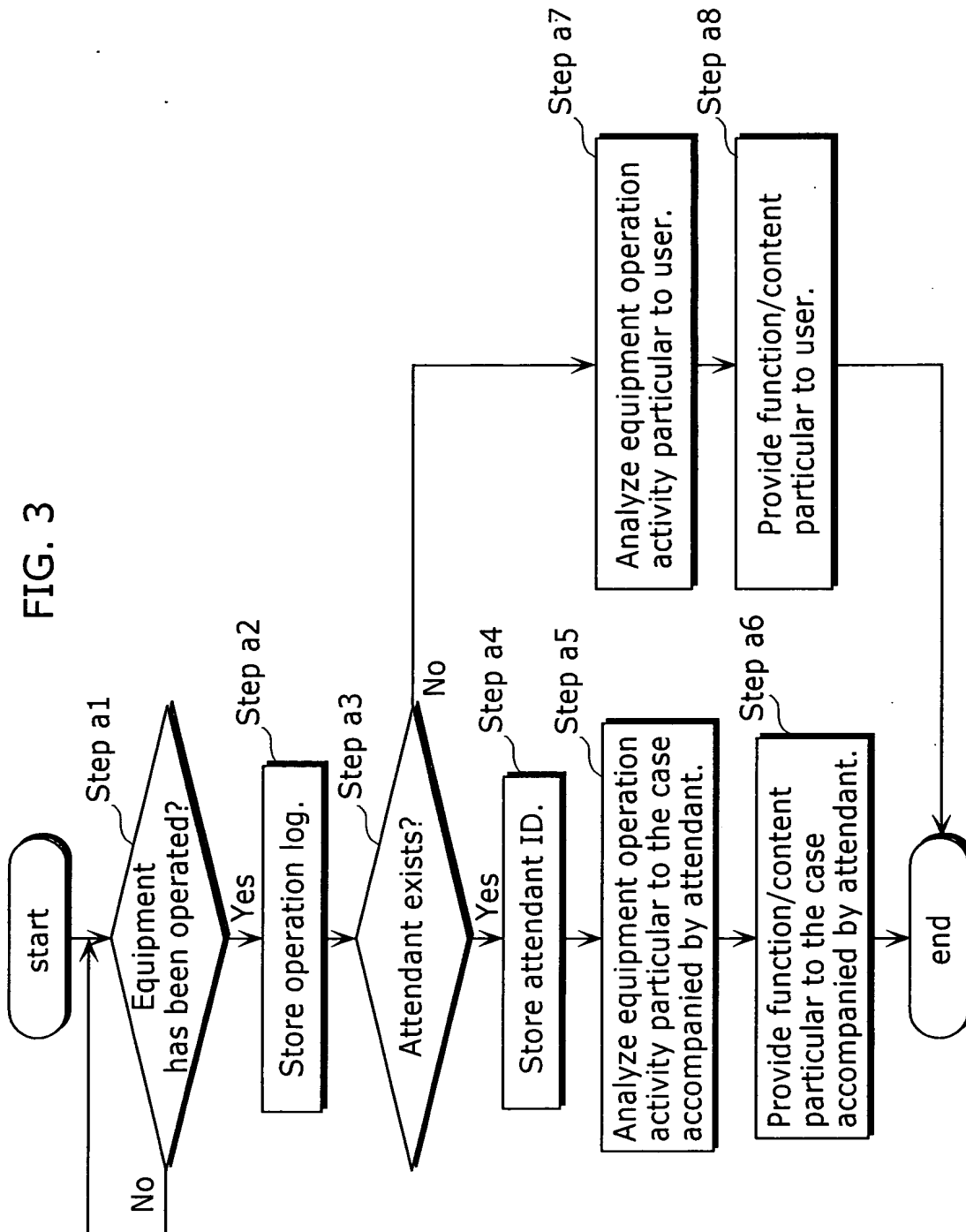


FIG. 4

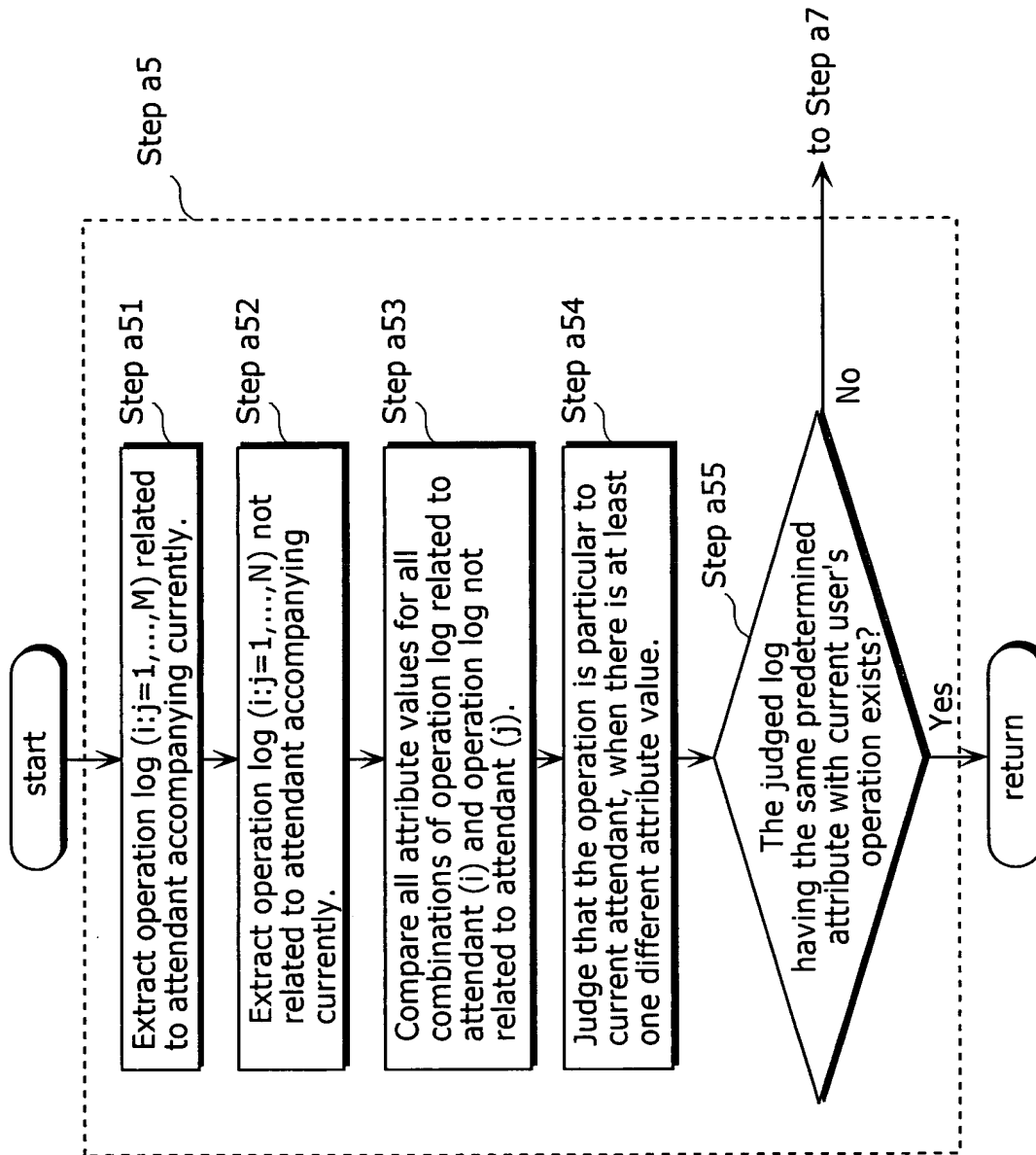
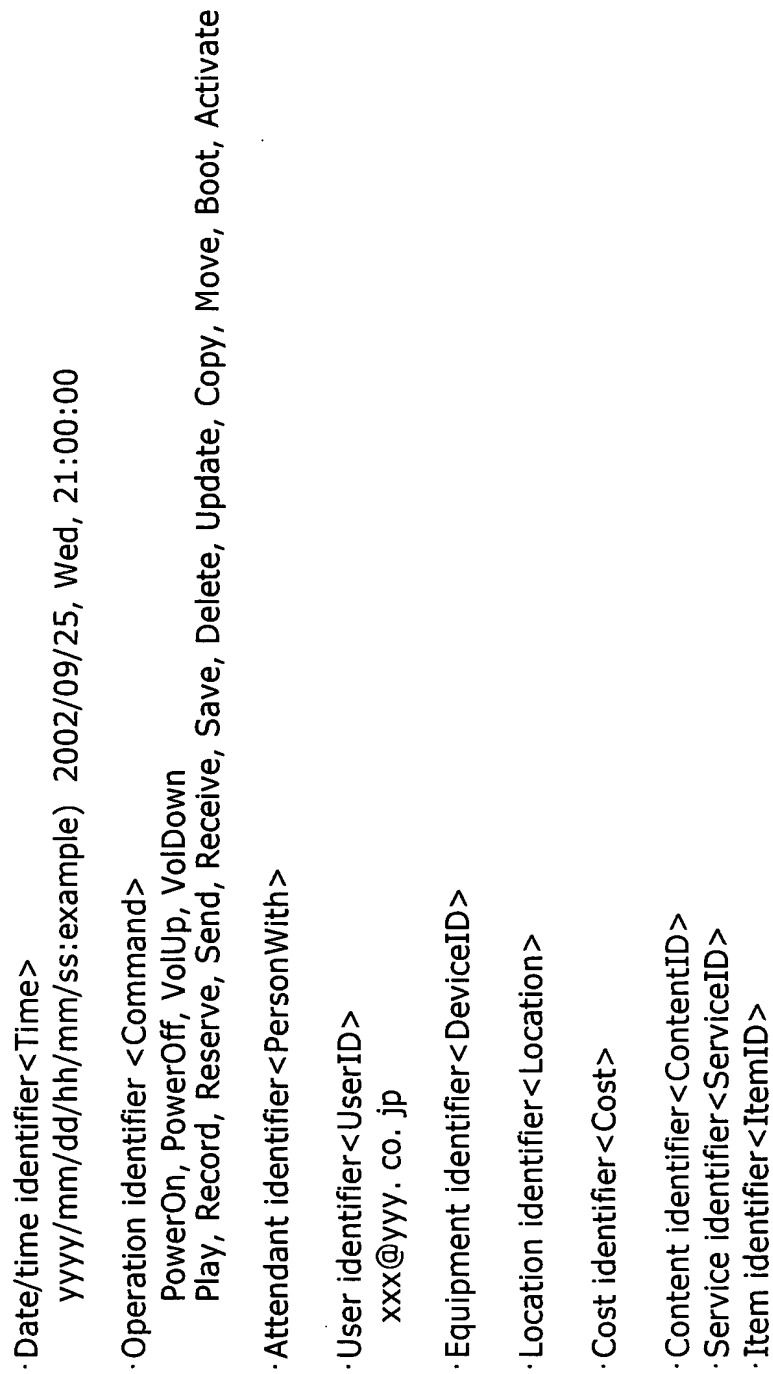


FIG. 5



- Date/time identifier<Time>  
    yyyy/mm/dd/hh/mm/ss:example) 2002/09/25, Wed, 21:00:00
- Operation identifier <Command>  
    PowerOn, PowerOff, VolUp, VolDown  
    Play, Record, Reserve, Send, Receive, Save, Delete, Update, Copy, Move, Boot, Activate
- Attendant identifier<PersonWith>
- User identifier<UserID>  
    xxx@yyy. co. jp
- Equipment identifier<DeviceID>
- Location identifier<Location>
- Cost identifier<Cost>
- Content identifier<ContentID>
- Service identifier<ServiceID>
- Item identifier<ItemID>

FIG. 6

	<DeviceID>	<Time>	<Command>	<ContentID>	<PersonWith>
(1)	DTV. xxx-net	2002/09/28/ Sat/21:53:04	Play	xxx-003-xxxxxx	aaa. co. jp
(2)	DVD. xxx-net	2002/09/28/ Sat/22:55:04	Play	xxx-003-xxxxxx	aaa. co. jp
(3)	DTV. xxx-net	2002/09/21/ Sat/21:57:04	Play	xxx-001-xxxxxx	NULL
(4)	DVD. xxx-net	2002/09/21/ Sat/22:54:14	Play	xxx-006-xxxxxx	NULL
(5)	DVD. xxx-net	2002/09/17/ Tue/20:05:04	Play	xxx-007-xxxxxx	aaa. co. jp
(6)	DVD. xxx-net	2002/09/10/ Tue/20:30:01	Play	xxx-006-xxxxxx	NULL
(7)	MD. xxx-net	2002/09/07/ Sat/21:57:52	Play	mmm-012-mmmmmm	NULL

FIG. 7A

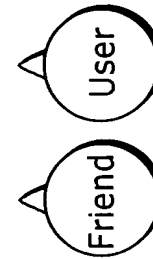
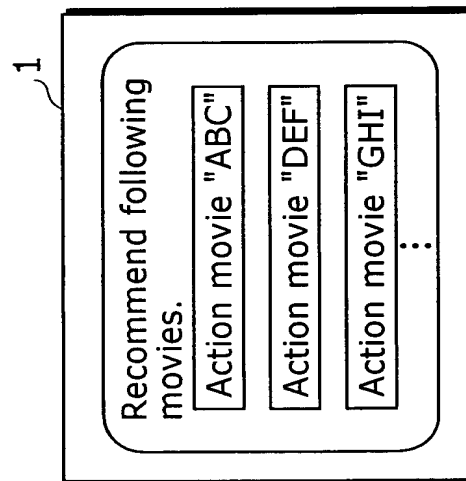


FIG. 7B

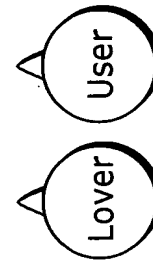
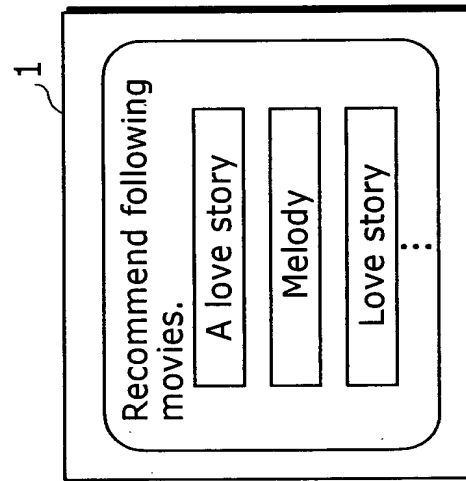


FIG. 7C

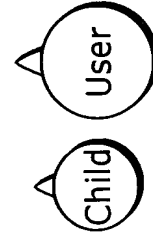
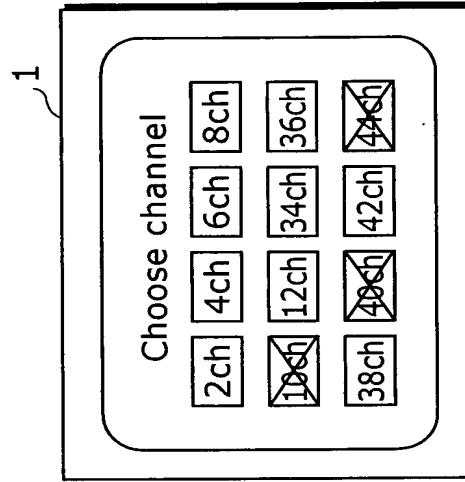


FIG. 8

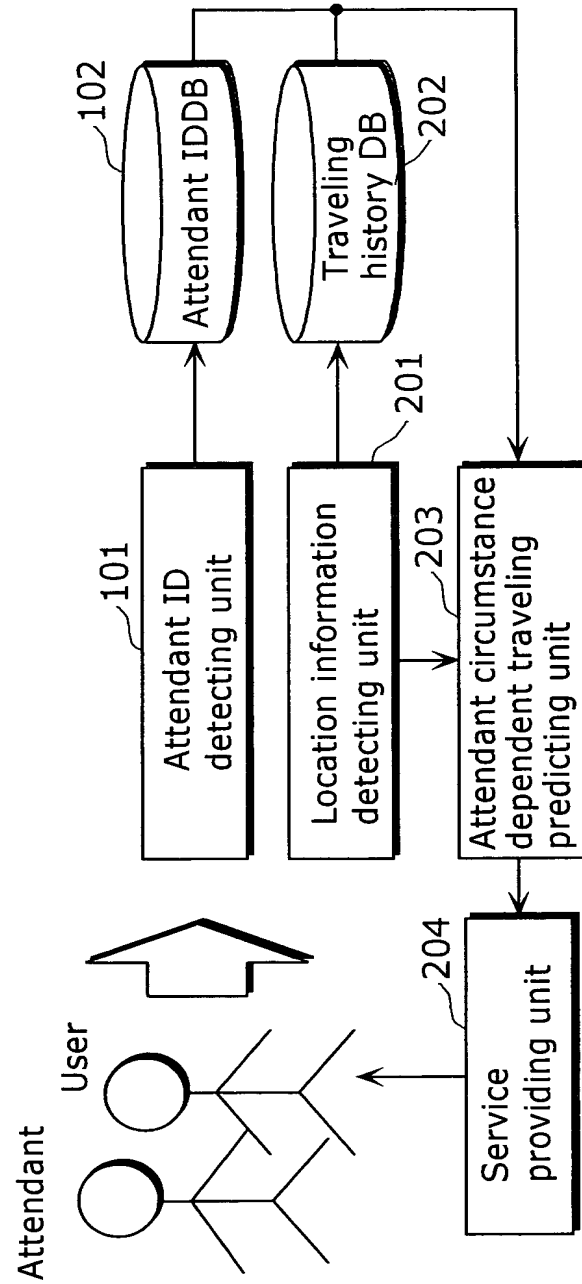




FIG. 9

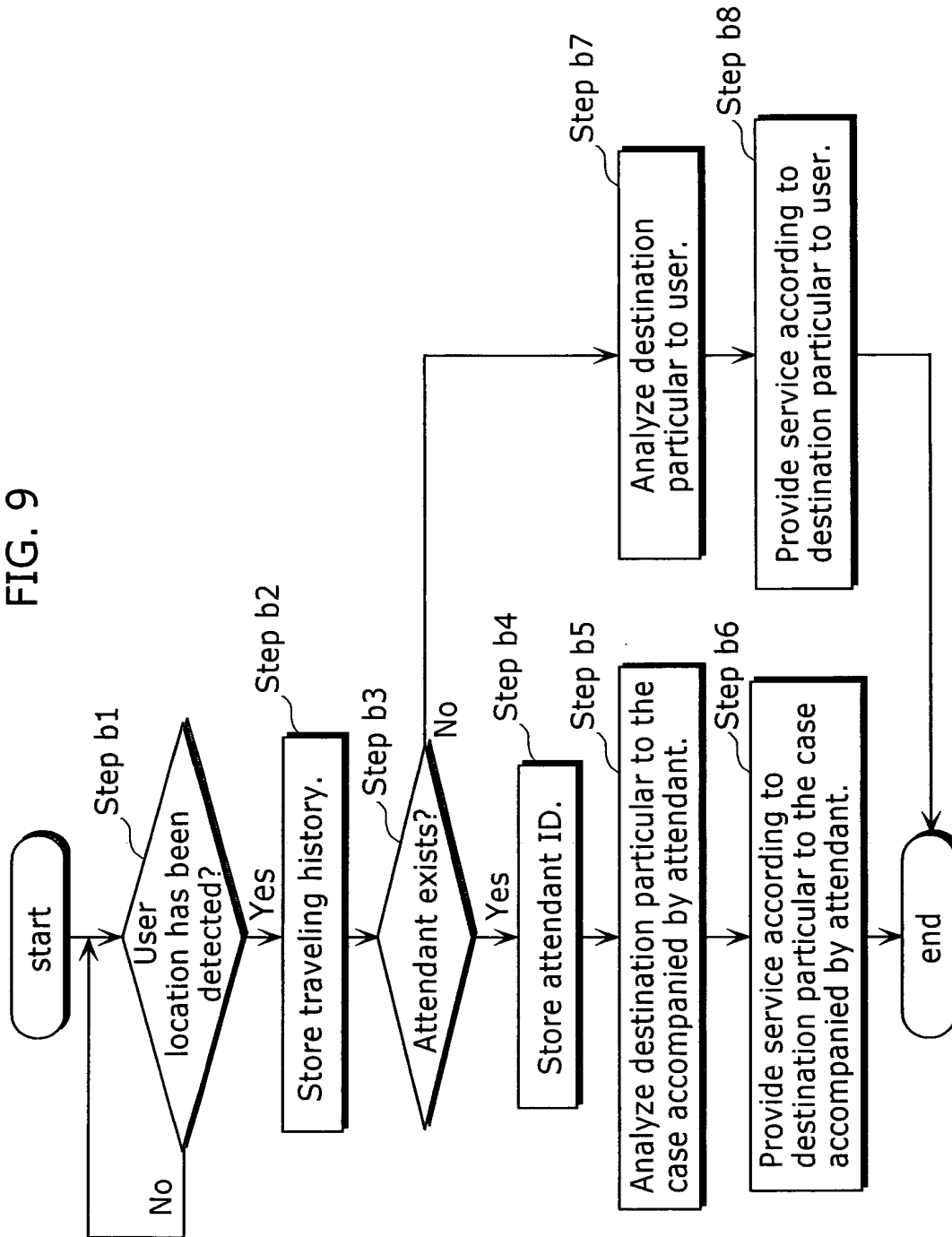


FIG. 10

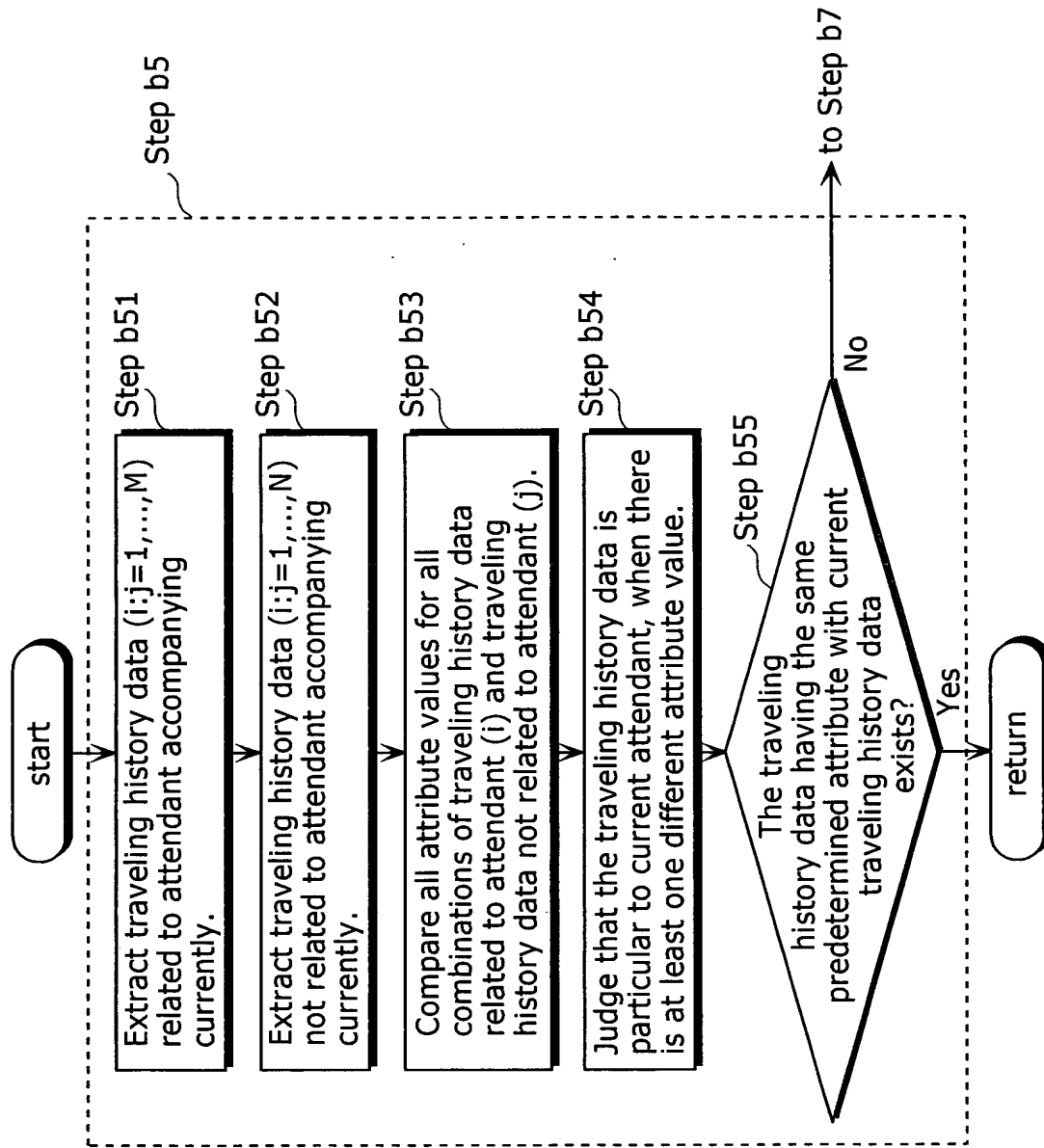


FIG. 11

	<Time>	<Location>	<PersonWith>	Frequency/month
(1)	2002/09/29/ Sun/10:07:04	101-0000 Cofee Shop	aaa. co. jp	2
(2)	2002/09/29/ Sun/11:00:04	xxx-xxxx Theater	aaa. co. jp	2
(3)	2002/09/22/ Sun/10:30:10	101-0002 Home	NULL	2
(4)	2002/09/22/ Sun/14:45:13	xxx-xxxx Book Shop	NULL	2

FIG. 12A

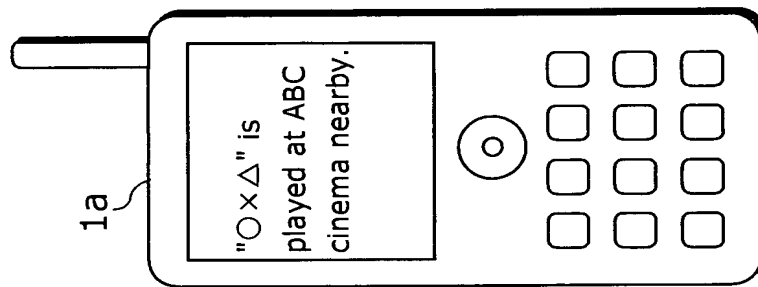


FIG. 12B

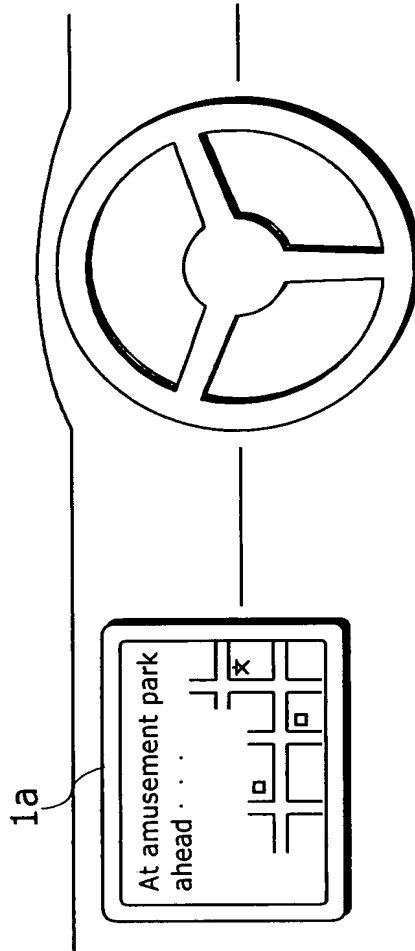


FIG. 13

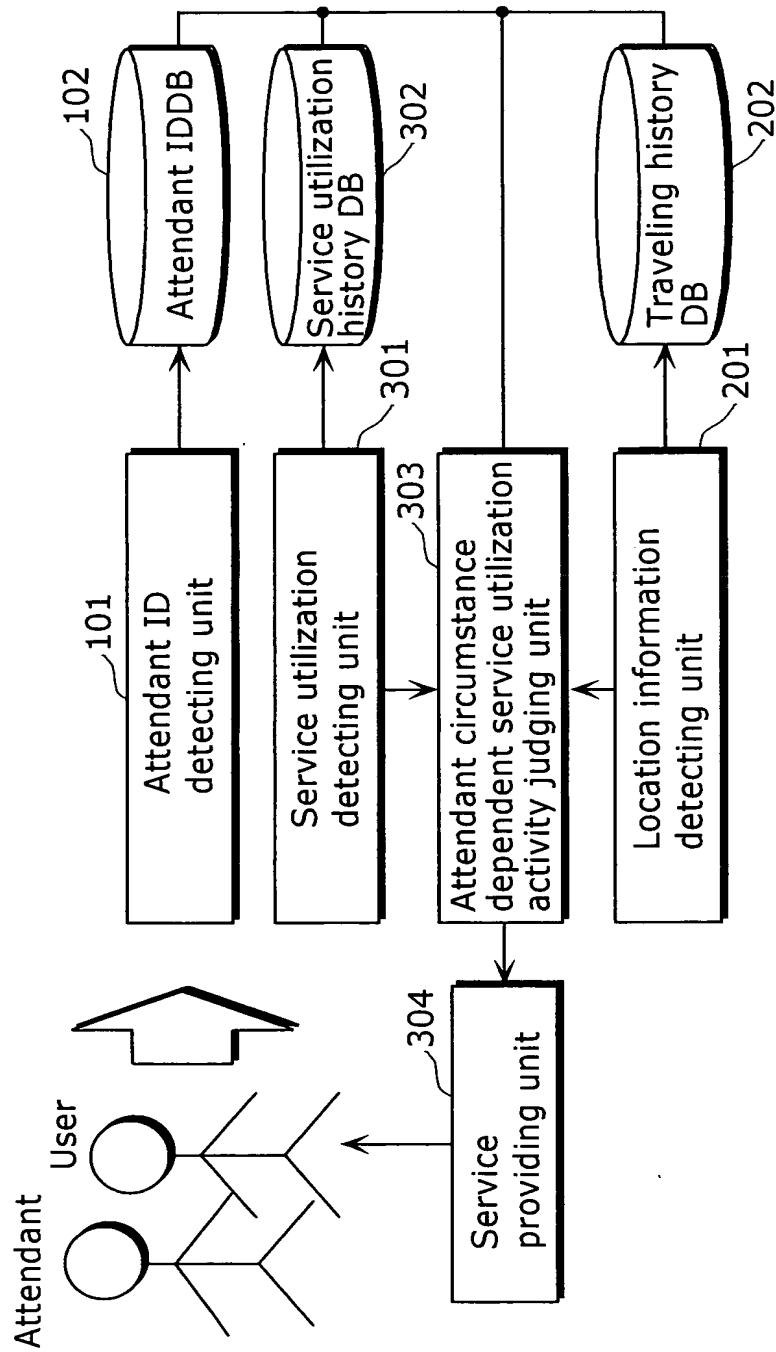
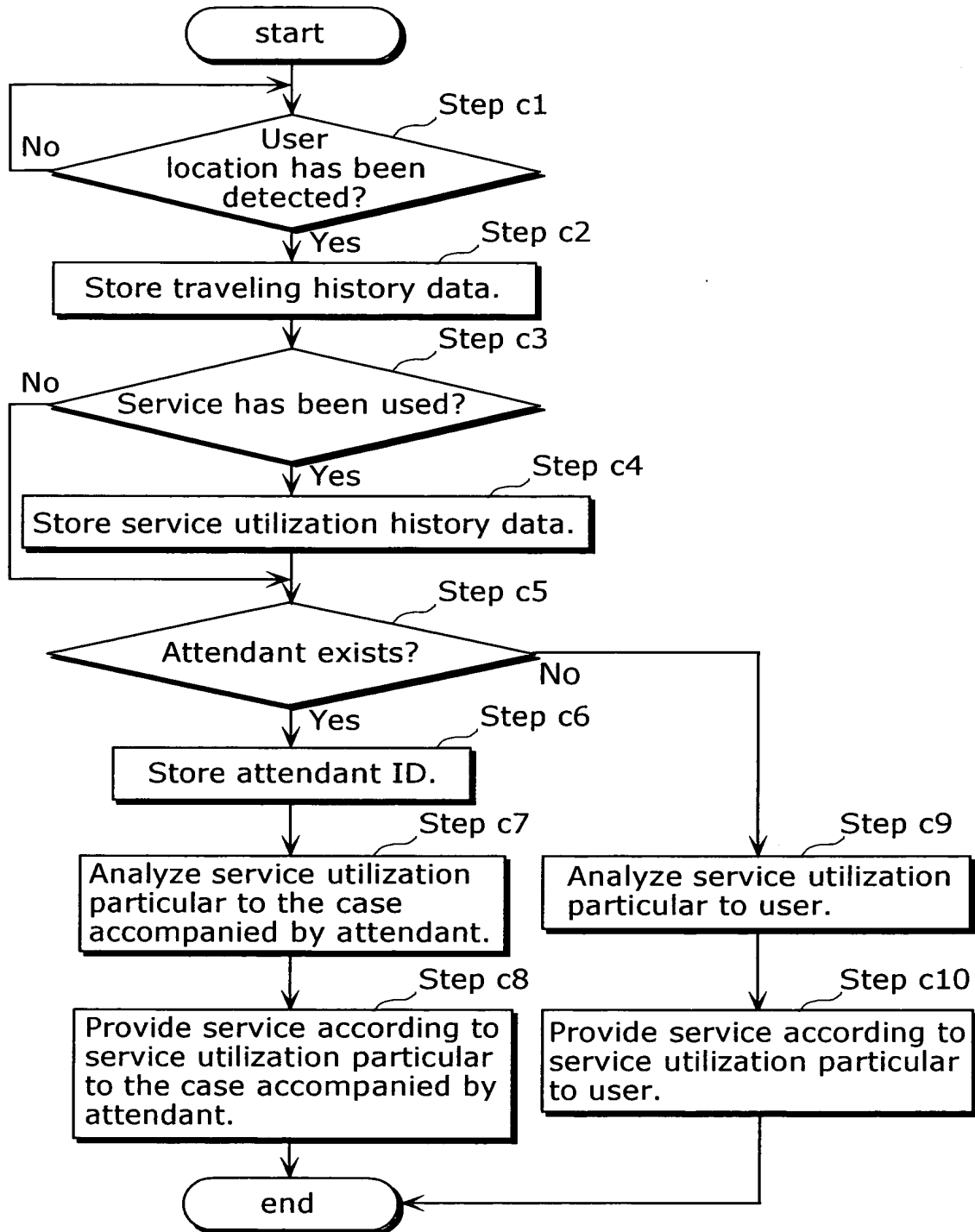


FIG. 14



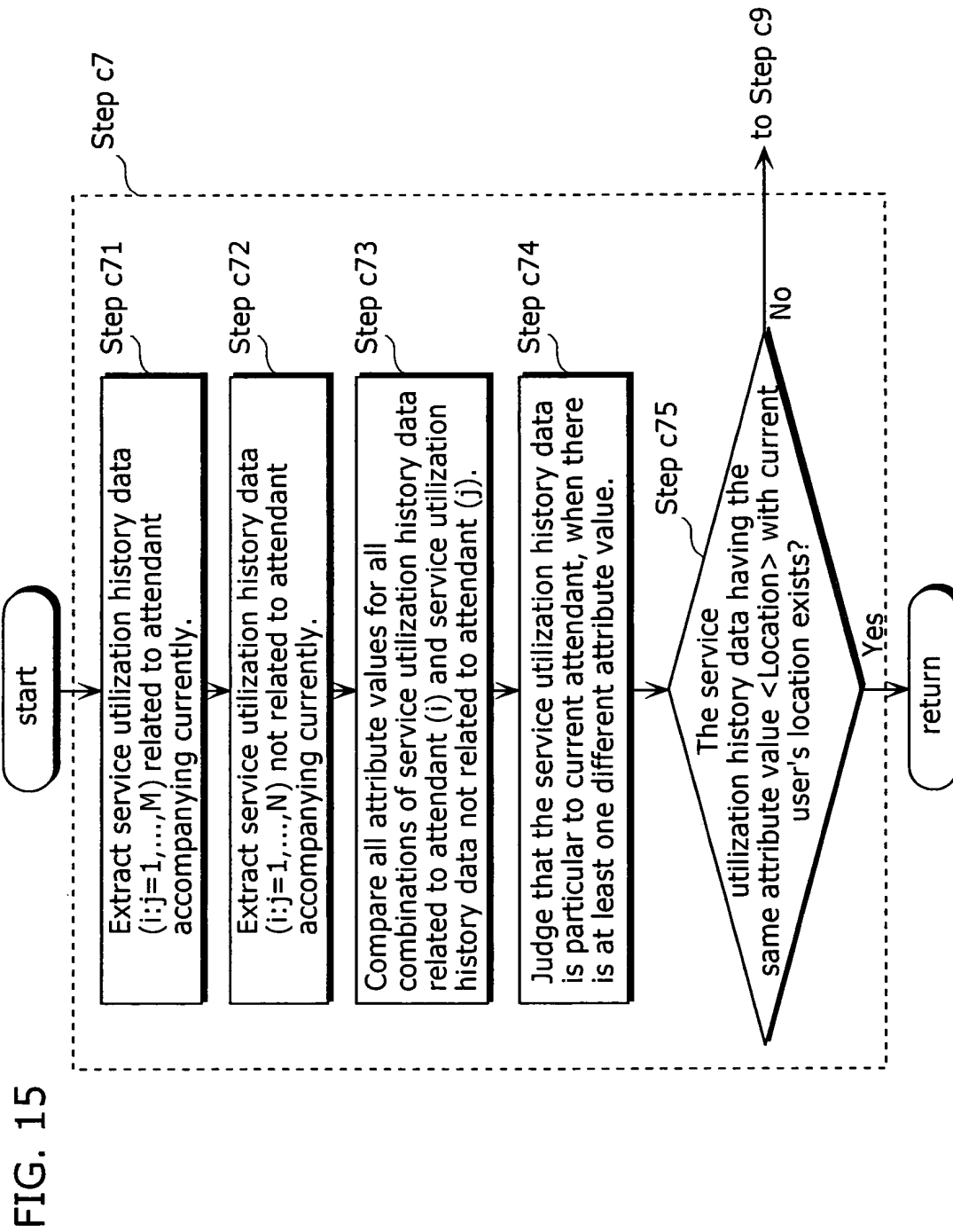


FIG. 16

	<Time>	<Location>	<ServiceID>	<ItemID>	<Cost>	<PersonWith>
(1)	2002/09/07/ Sat/19:00:04	xxx-xxxx	Video Rental	xxx-003-xxxxxx0	¥300	aaa. co. jp
(2)	2002/09/14/ Sat/19:20:45	xxx-xxxx	Video Rental	xxx-003-xxxxxx1 xxx-003-xxxxxx2	¥600	aaa. co. jp
(3)	2002/09/15/ Sun/19:03:45	xxx-xxxx	Video Rental	xxx-003-xxxxxx7	¥600	aaa. co. jp

.  
. .  
. . .

Frequency/month

13

(14)	2002/09/22/ Sun/19:05:10	yyy-yyyy	Delivery service	Pizza	¥1600	NULL
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.  
. .  
. . .

Frequency/month

8



FIG. 17

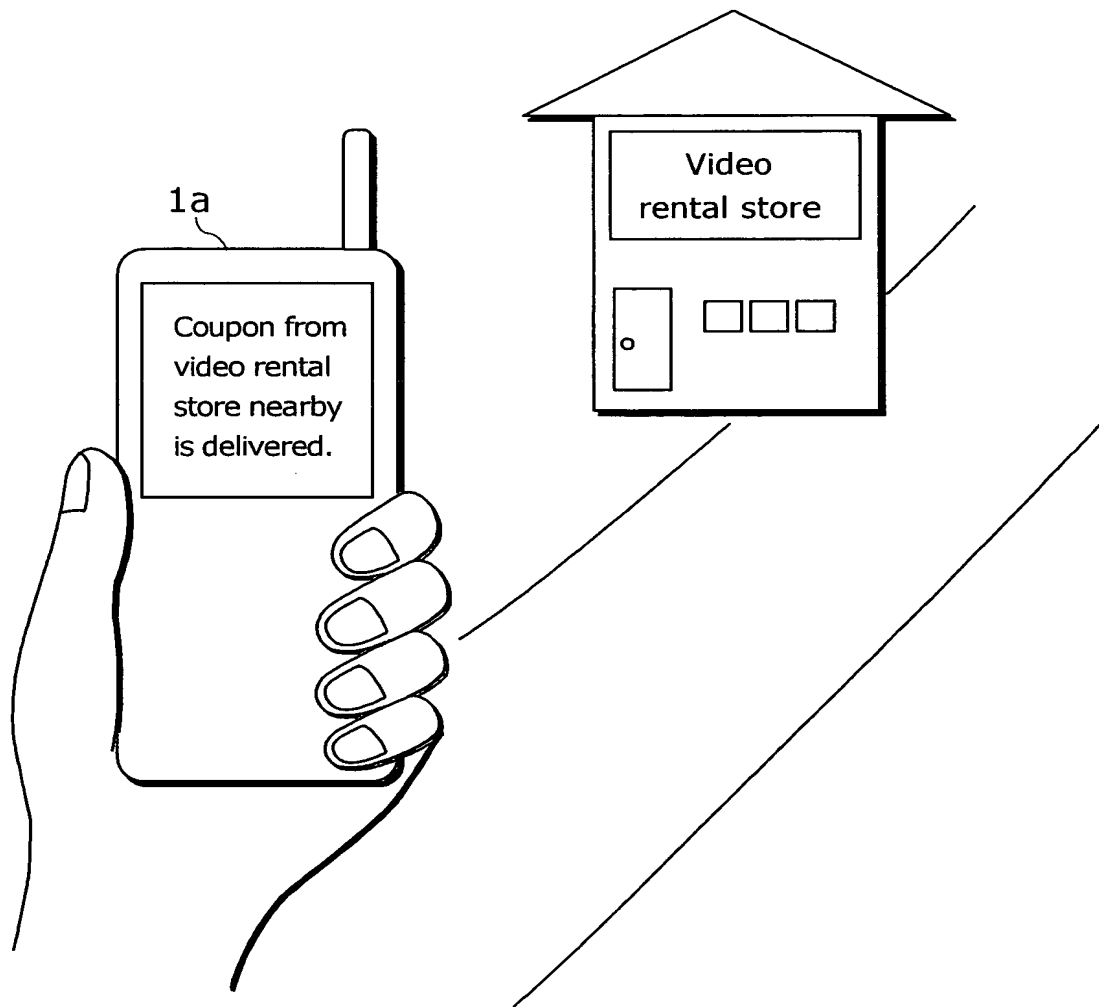
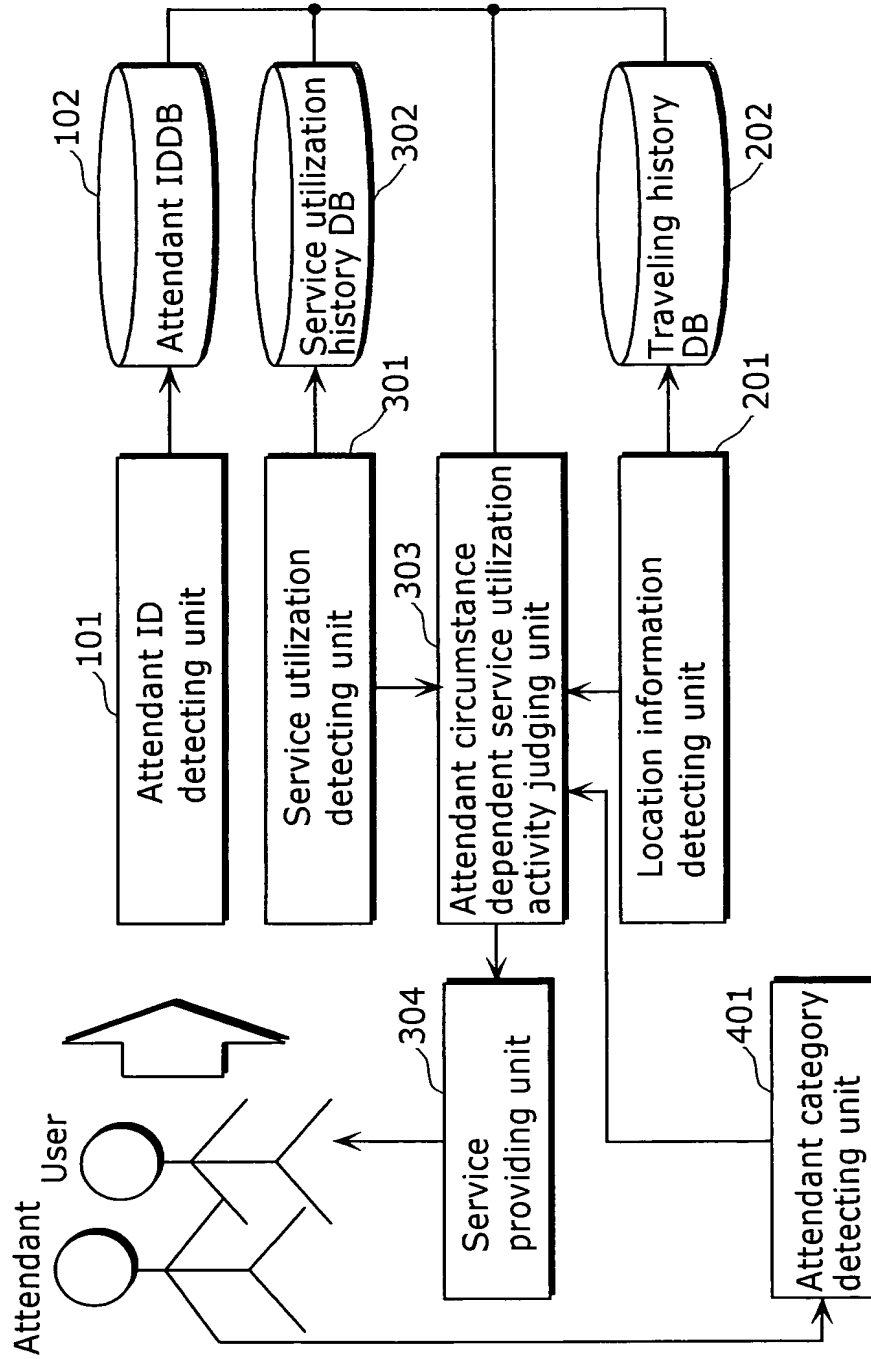


FIG. 18



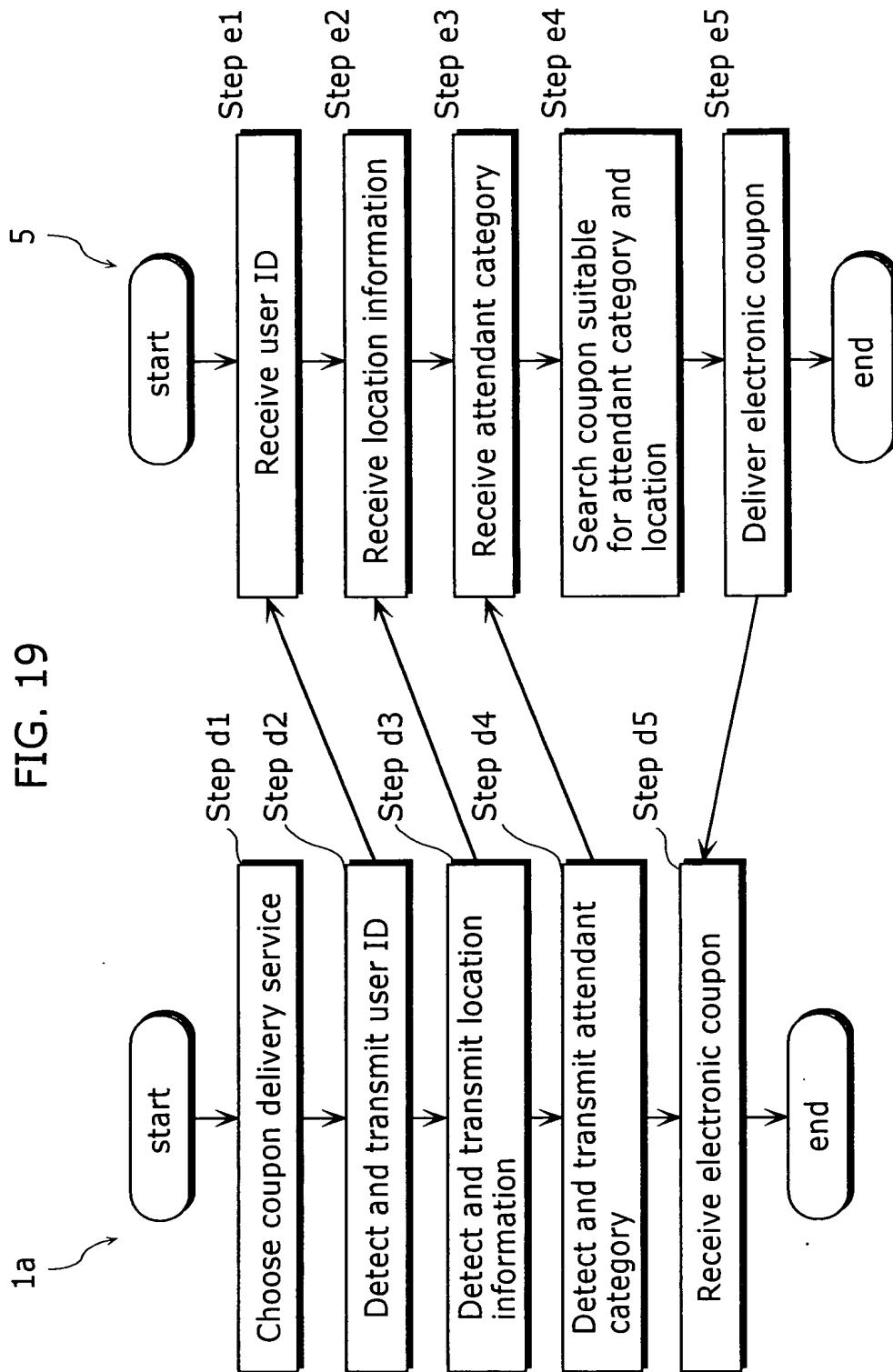


FIG. 20A

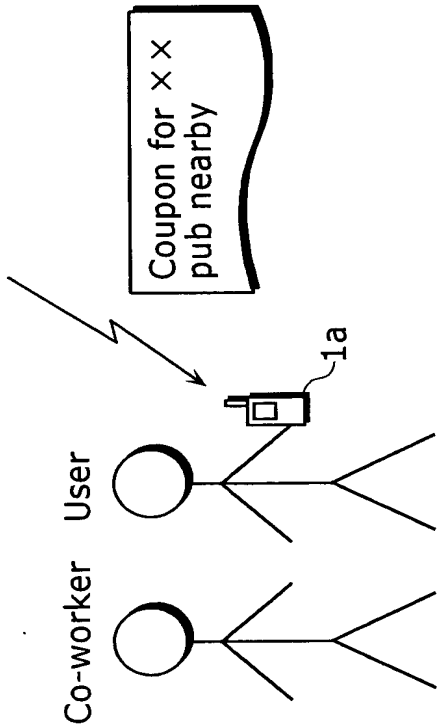


FIG. 20B

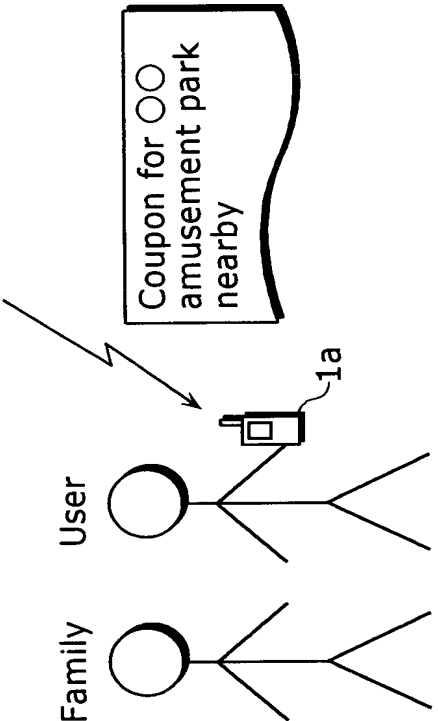
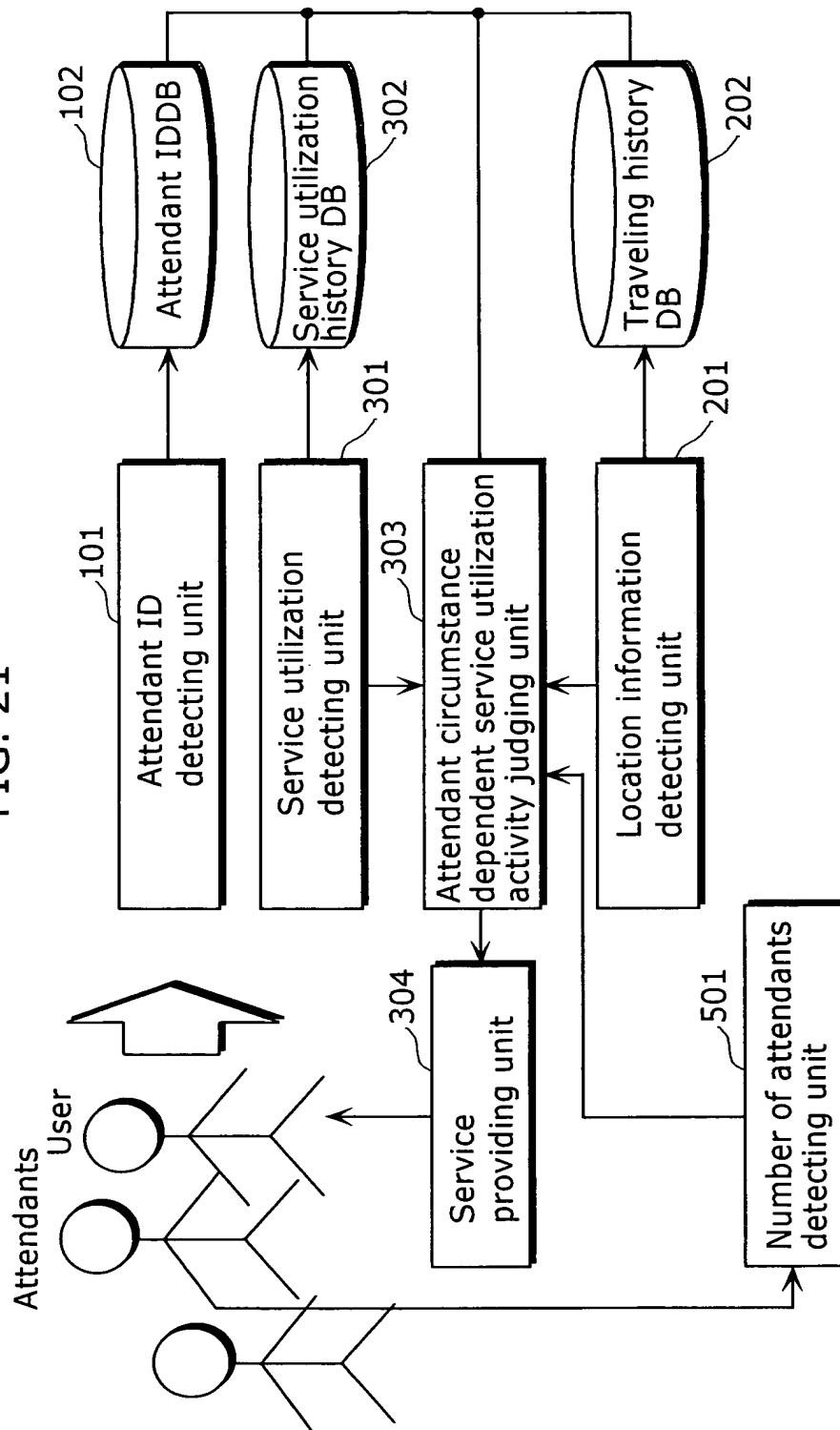


FIG. 21



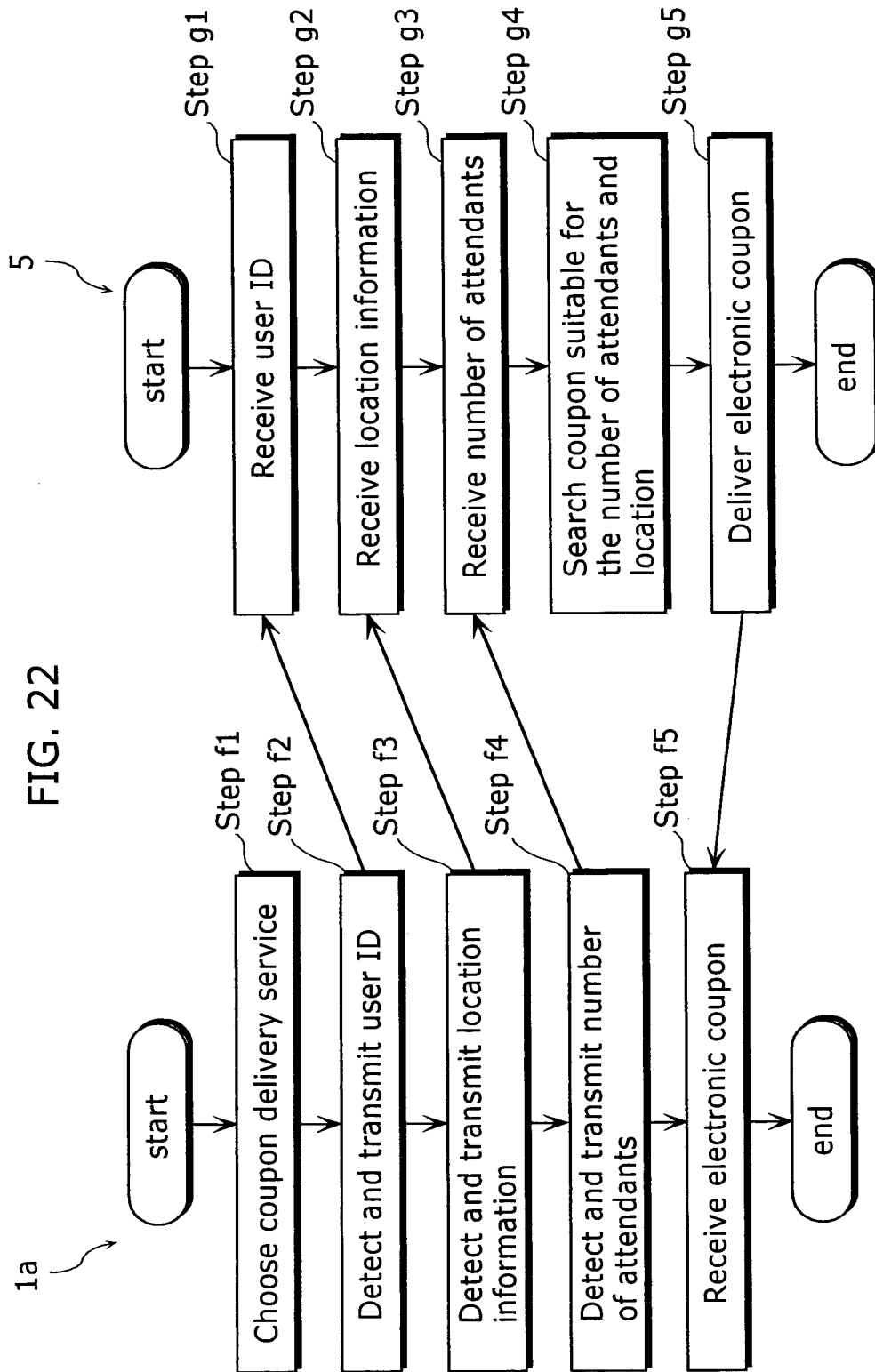


FIG. 23

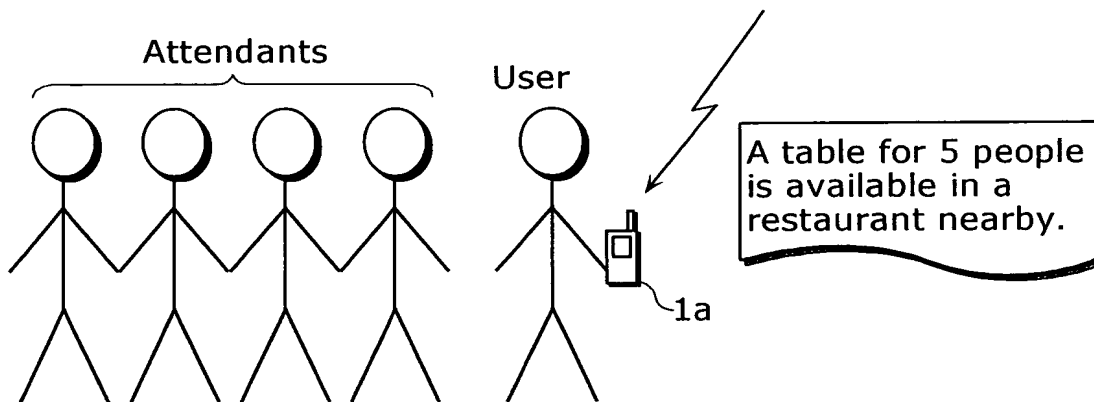


FIG. 24

